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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/517,317

08/03/2005

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EXAMINER

JONES, DAVID B

ART UNIT

PAPER NUMBER

3725

NOTIFICATION DATE

DELIVERY MODE

04/18/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

gbpatent@gbpatent.com
pto@gbpatent.com

Office Action Summary	Application No. 10/517,317	Applicant(s) NAITO ET AL.	
	Examiner David B. Jones	Art Unit 3725	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) none is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>3/8/05, 11/21/06, 3/30/07</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

1. Claims 2-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 2, the various "power unit" and "servo amplifier" have not been positively recited. Further in claim 2 "the gate signal" lacks antecedent basis. Claims 5 and 6 contain a plurality of elements that lack positive recitation and antecedent basis. The "sleeves", "magnetic pole magnets", "peripheries", "end extensions", "magnetic pole positions", "bushes", "stators", and "three phase armature windings" in claims 5 and 6 lack positive recitation. The limitation "its outer periphery" lacks antecedent basis in claims 5 and 6. Claims 7-18 are drafted in a narrative fashion and fail to positively recite structural elements and correlate them one with another.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 and 7-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Seto et al., '816. Seto teaches the claimed invention including (Figs. 1-3) a ram 29/41, an operation shaft 33, and a pair of servo motors 43/47 (Fig.2) symmetrical to each other and located at either end of shaft 33 that operate integrally to move the ram 29/41. The control of the servos can be synchronous or non synchronous as desired (column 5, line

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44 - column 6, line 48). Regarding claim 3 and 7 see column 5, lines 45-58 and column 6 lines 30-49.

3. Claim 7 is rejected under 35 U.S.C. 102(b) as being anticipated by Nakagawa '972. Nakagawa teaches the claimed invention (as seen in column 4, lines 51-61) of controlling the torque of the servo motors depending on the speed of the punch.

4. Claims 7, 8, and 11-13 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 10328891. JP '891 teaches lowering motor speed depending on work load.

5. Claims 7, 8, and 11-13 are rejected under 35 U.S.C. 102(b) as being anticipated by Inoue et al. '257. Inoue teaches monitoring load on a ram and reducing lowering speed (read servo motor speed) of the ram accordingly.

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 17 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Seto et al. '816 in view of EP 08047279. Seto et al teaches the claimed invention as best can be understood and as treated supra excepting circuitry maintaining stable power to the drive motors by suppressing over voltage peak power and supplying stored energy when current is at a low. EP '279 teaches such circuitry for regulating a motor drive. It would have been obvious to one of ordinary skill in the art at the time of the invention to

have provided the drives of Seto et al. the circuitry of EP '279 to provide a stable and efficient drive system and to prolong motor life.

7. Claims 5 and 6 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David B. Jones whose telephone number is 571 272 4518.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Banks Derris, can be reached at 571 272-4419. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/David B. Jones/
Primary Examiner
Art Unit 3725